TDMS No. 05174 - 05

Test Type: CHRONIC

Route: DOSED FEED

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

CRESOLS

CAS Number: 1319-77-3

Species/Strain: RATS/F 344 Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

- JORINEIN, IVI. - KTAIN, IVI.

F1_R2Males

C Number: C62260B

Lock Date: 02/09/2005

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups: Include ALL

Date Report Reqsted: 04/10/2006

Time Report Reqsted: 08:44:01 First Dose M/F: 08/05/02 / NA

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: RATS/F 344

Route: DOSED FEED

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

CRESOLS

CAS Number: 1319-77-3

Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Reqsted: 04/10/2006

Time Report Reqsted: 08:44:01 First Dose M/F: 08/05/02 / NA

Early Deaths Moribund Sacrifice 12 10 9 14	FISCHER 344 RATS MALE	0 PPM	1500 PPM	5000 PPM	15000 PPM
Early Deaths Moribund Sacrifice 12 10 9 14	isposition Summary				
Moribund Sacrifice 12 10 9 1- Natural Death 5 6 8 5 Survivors Terminal Sacrifice 33 34 33 33 Animals Examined Microscopically 50 50 50 50 50 ALIMENTARY SYSTEM Esophagus (50) (50) (50) (50) (49) Intestine Large, Cecum (50) (5		50	50	50	50
Natural Death 5 6 8 5		12	10	9	14
Terminal Sacrifice 33 34 33 35 36 36 36 36 36 36	Natural Death				5
ALIMENTARY SYSTEM Esophagus (50) (50) (50) (50) (49) Intestine Large, Cecum (50) (50) (50) (50) (49) Parasite Metazoan 1[2.0] Intestine Large, Colon (50) (50) (50) (50) (50) Parasite Metazoan 4 [1.3] 3 [1.7] 3 [2.0] 2 [1.0] Intestine Large, Rectum (50) (50) (50) (50) (50) Edema 1 [3.0] Parasite Metazoan 4 [1.3] 5 [1.4] 4 [1.8] 2 [2.0] Intestine Small, Duodenum (49) (50) (50) (50) (49) Intestine Small, Ileum (50) (50) (50) (50) (49) Intestine Small, Jejunum (50) (50) (50) (50) (50) Liver (50) (50) (50) (50) (50) (50) Angiectasis 5 [1.4] 5 [1.2] 7 [1.3] 14 [1.8] Basophilic Focus 24 18 17 7 7 Clear Cell Focus 25 20 25 27 Degeneration, Cystic 7 [1.1] 9 [1.1] 12 [1.3] 9 [1.1] Eosinophilic Focus 14 14 14 13 23 Fatty Change 17 [1.8] 20 [1.4] 9 [1.7] 8 [1.4] Fibrosis 29 [1.1] 30 [1.1] 29 [1.1] 34 [1.0]					
ALIMENTARY SYSTEM Esophagus (50) (50) (50) (50) (49) Intestine Large, Cecum (50) (50) (50) (50) (49) Parasite Metazoan 1[2.0] Intestine Large, Colon (50) (50) (50) (50) (50) Parasite Metazoan 4[1.3] 3[1.7] 3[2.0] 2[1.0] Intestine Large, Rectum (50) (50) (50) (50) (50) Edema 1[3.0] Parasite Metazoan 4[1.3] 5[1.4] 4[1.8] 2[2.0] Intestine Small, Duodenum (49) (50) (50) (50) (49) Intestine Small, Ileum (50) (50) (50) (50) (49) Intestine Small, Jejunum (50) (50) (50) (50) (49) Intestine Small, Gentle Metazoan (50) (50) (50) (50) (50) (50) Intestine Small, Figurum (50) (50) (50) (50) (50) (50) Intestine Small, Gentle Metazoan (50) (50) (50) (50) (50) (50) Intestine Small, Jejunum (50) (50) (50) (50) (50) (50) (50) Intestine Small, Jejunum (50) (50) (50) (50) (50) (50) (50) Intestine Small, Jejunum (50) (50) (50) (50) (50) (50) (50) Intestine Small, Jejunum (50) (50) (50) (50) (50) (50) (50) (50)					31
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Intestine Large, Cecum	LIMENTARY SYSTEM				
Intestine Large, Cecum	Esophagus	(50)	(50)	(50)	(49)
Intestine Large, Colon (50) (50) (50) (50) (50) Parasite Metazoan 4 [1.3] 3 [1.7] 3 [2.0] 2 [1.0] Intestine Large, Rectum (50) (50) (50) (50) Edema 1 [3.0] Parasite Metazoan 4 [1.3] 5 [1.4] 4 [1.8] 2 [2.0] Intestine Small, Duodenum (49) (50) (50) (50) Intestine Small, Ileum (50) (50) (50) (50) (49) Intestine Small, Jejunum (50) (50) (50) (50) (49) Liver (50) (50) (50) (50) (50) Angiectasis 5 [1.4] 5 [1.2] 7 [1.3] 14 [1.7] Basophilic Focus 24 18 17 7 Clear Cell Focus 25 20 25 27 Degeneration, Cystic 7 [1.1] 9 [1.1] 12 [1.3] 9 [1.1] Eosinophilic Focus 14 14 13 23 Fatty Change 17 [1.8] 20 [1.4] 9 [1.7] 8 [1.4] Fibrosis 29 [1.1] 30 [1.1] 29 [1.1] 34 [1.6] Hematopoietic Cell Proliferation 2 [2.0] 1 [2.0]		(50)	(50)	(50)	
Parasite Metazoan 4 [1.3] 3 [1.7] 3 [2.0] 2 [1.0] Intestine Large, Rectum (50) (50) (50) (50) Edema 1 [3.0]			1 [2.0]		
Intestine Large, Rectum (50) (50) (50) (50) Edema 1 [3.0]					
Edema 1 [3.0] Parasite Metazoan 4 [1.3] 5 [1.4] 4 [1.8] 2 [2.0] Intestine Small, Duodenum (49) (50) (50) (50) (49) Intestine Small, Ileum (50) (50) (50) (50) (49) Intestine Small, Jejunum (50) (50) (50) (50) (49) Liver (50) (50) (50) (50) (50) (50) Angiectasis 5 [1.4] 5 [1.2] 7 [1.3] 14 [1.6] Basophilic Focus 24 18 17 7 Clear Cell Focus 25 20 25 27 Degeneration, Cystic 7 [1.1] 9 [1.1] 12 [1.3] 9 [1.1] Eosinophilic Focus 14 14 13 23 Fatty Change 17 [1.8] 20 [1.4] 9 [1.7] 8 [1.4] Fibrosis 29 [1.1] 30 [1.1] 29 [1.1] 34 [1.6] Hematopoietic Cell Proliferation 2 [2.0] 1 [2.0]					
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Intestine Small, Duodenum (49) (50) (50) (49) Intestine Small, Ileum (50) (50) (50) (50) (49) Intestine Small, Jejunum (50) (50) (50) (50) (50) (50) (50) Liver (50) (50) (50) (50) (50) (50) Angiectasis 5 [1.4] 5 [1.2] 7 [1.3] 14 [1.1] Basophilic Focus 24 18 17 7 Clear Cell Focus 25 20 25 27 Degeneration, Cystic 7 [1.1] 9 [1.1] 12 [1.3] 9 [1.1] Eosinophilic Focus 14 14 13 23 Fatty Change 17 [1.8] 20 [1.4] 9 [1.7] 8 [1.4] Fibrosis 29 [1.1] 30 [1.1] 29 [1.1] 34 [1.0] Hematopoietic Cell Proliferation 2 [2.0] 1 [2.0]			E [4 4]	4 [4 0]	2 [2 0]
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Intestine Small, Jejunum (50) (50) (50) (50) (49) Liver (50) (50) (50) (50) (50) Angiectasis 5 [1.4] 5 [1.2] 7 [1.3] 14 [1.7] Basophilic Focus 24 18 17 7 Clear Cell Focus 25 20 25 27 Degeneration, Cystic 7 [1.1] 9 [1.1] 12 [1.3] 9 [1.1] Eosinophilic Focus 14 14 13 23 Fatty Change 17 [1.8] 20 [1.4] 9 [1.7] 8 [1.4] Fibrosis 29 [1.1] 30 [1.1] 29 [1.1] 34 [1.0] Hematopoietic Cell Proliferation 2 [2.0] 1 [2.0]					
Liver (50)					
Angiectasis 5 [1.4] 5 [1.2] 7 [1.3] 14 [1.7] Basophilic Focus 24 18 17 7 Clear Cell Focus 25 20 25 27 Degeneration, Cystic 7 [1.1] 9 [1.1] 12 [1.3] 9 [1.1] Eosinophilic Focus 14 14 13 23 Fatty Change 17 [1.8] 20 [1.4] 9 [1.7] 8 [1.4] Fibrosis 29 [1.1] 30 [1.1] 29 [1.1] 34 [1.0] Hematopoietic Cell Proliferation 2 [2.0] 1 [2.0]					
Basophilic Focus 24 18 17 7 Clear Cell Focus 25 20 25 27 Degeneration, Cystic 7 [1.1] 9 [1.1] 12 [1.3] 9 [1.1] Eosinophilic Focus 14 14 13 23 Fatty Change 17 [1.8] 20 [1.4] 9 [1.7] 8 [1.4] Fibrosis 29 [1.1] 30 [1.1] 29 [1.1] 34 [1.0] Hematopoietic Cell Proliferation 2 [2.0] 1 [2.0]		5 [1.4]	5 [1.2]		14 [1.1]
Clear Cell Focus 25 20 25 27 Degeneration, Cystic 7 [1.1] 9 [1.1] 12 [1.3] 9 [1.1] Eosinophilic Focus 14 14 13 23 Fatty Change 17 [1.8] 20 [1.4] 9 [1.7] 8 [1.4] Fibrosis 29 [1.1] 30 [1.1] 29 [1.1] 34 [1.0] Hematopoietic Cell Proliferation 2 [2.0] 1 [2.0]					
Eosinophilic Focus 14 14 13 23 Fatty Change 17 [1.8] 20 [1.4] 9 [1.7] 8 [1.4] Fibrosis 29 [1.1] 30 [1.1] 29 [1.1] 34 [1.0] Hematopoietic Cell Proliferation 2 [2.0] 1 [2.0]			20	25	27
Fatty Change 17 [1.8] 20 [1.4] 9 [1.7] 8 [1.4] Fibrosis 29 [1.1] 30 [1.1] 29 [1.1] 34 [1.0] Hematopoietic Cell Proliferation 2 [2.0] 1 [2.0]		7 [1.1]	9 [1.1]		9 [1.1]
Fibrosis 29 [1.1] 30 [1.1] 29 [1.1] 34 [1.0] Hematopoietic Cell Proliferation 2 [2.0] 1 [2.0]					
Hematopoietic Cell Proliferation 2 [2.0] 1 [2.0]					8 [1.4]
				29 [1.1]	34 [1.0]
Henatodianhragmatic Nodule 2 5 3 3					
	Hepatodiaphragmatic Nodule	2	5	3	3
Inflammation 35 [1.0] 29 [1.1] 37 [1.1] 38 [1.1]					38 [1.1]
Mixed Cell Focus 5 3 3 2		_		_	
		1 [1.0]		1 [2.0]	2 [2.0]
Regeneration 2 [3.0] Tension Lipidosis 1			[3.0]	4	

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: RATS/F 344

Route: DOSED FEED

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

CRESOLS

CAS Number: 1319-77-3

Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Reqsted: 04/10/2006

Time Report Reqsted: 08:44:01 First Dose M/F: 08/05/02 / NA

FISCHER 344 RATS MALE	0 PPM	1500 PPM	5000 PPM	15000 PPM	
Bile Duct, Cyst	1 [1.0]	2 [1.0]	1 [1.0]		
Bile Duct, Hyperplasia	47 [1.9]	46 [2.0]	46 [2.0]	45 [1.7]	
Centrilobular, Degeneration	3 [2.3]	5 [2.4]	3 [1.3]	4 [2.8]	
Centrilobular, Necrosis	2 [2.5]	- ()	1 [2.0]	1 [3.0]	
Hepatocyte, Hypertrophy	1 [3.0]		. [=,]	. []	
Mesentery	(5)	(7)	(9)	(8)	
Accessory Spleen	(-)	1	1	(-)	
Fat, Necrosis	4 [2.0]	6 [2.0]	8 [1.9]	7 [1.9]	
Oral Mucosa	(0)	(1)	(0)	(2)	
Inflammation	(0)	1 [1.0]	(5)	1 [1.0]	
Pancreas	(49)	(50)	(50)	(49)	
Acinus, Atrophy	18 [1.5]	18 [1.7]	16 [1.3]	12 [1.7]	
Acinus, Hyperplasia	2 [2.0]		3 [2.0]	3 [1.3]	
Artery, Inflammation	_ [=.0]	1 [2.0]	0 [=.0]	0 [0]	
Duct, Cyst	10 [1.3]	10 [1.7]	8 [1.6]	7 [1.6]	
Salivary Glands	(49)	(50)	(50)	(49)	
Submandibular Gland, Hyperplasia	1 [2.0]	(00)	(55)	(10)	
Stomach, Forestomach	(49)	(50)	(50)	(50)	
Inflammation	3 [2.7]	1 [3.0]	1 [3.0]	2 [2.5]	
Ulcer	2 [3.0]	2 [3.0]	. [5.5]	= [=.0]	
Epithelium, Hyperplasia	_ [0.0]	_ [0.0]		1 [1.0]	
Stomach, Glandular	(49)	(50)	(50)	(50)	
Inflammation	1 [2.0]	(00)	(55)	1 [2.0]	
Ulcer	. [=.0]		1 [3.0]	. [=.0]	
Epithelium, Hyperplasia		1 [1.0]	1 [1.0]		
Tongue	(0)	(1)	(1)	(0)	
	(0)	(.,	(.)	(6)	
CARDIOVASCULAR SYSTEM					
Heart	(50)	(50)	(50)	(50)	
Cardiomyopathy	42 [1.9]	46 [1.6]	42 [1.6]	42 [1.6]	
Atrium, Thrombosis	2 [3.0]	1 [3.0]			
Myocardium, Fibrosis		1 [2.0]			
Myocardium, Mineralization	1 [3.0]				
Ventricle, Thrombosis		1 [3.0]			
NDOCRINE SYSTEM					
A drawal Cartain	(50)	(50)	(50)	(50)	
Adrenal Cortex	(50)	(50)	(50)	(50)	

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: RATS/F 344

Route: DOSED FEED

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

CRESOLS

CAS Number: 1319-77-3

Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Reqsted: 04/10/2006

Time Report Reqsted: 08:44:01 First Dose M/F: 08/05/02 / NA

FISCHER 344 RATS MALE	0 PPM	1500 PPM	5000 PPM	15000 PPM	
Angiectasis		1 [3.0]			
Hyperplasia	12 [1.7]	11 [1.2]	10 [1.2]	7 [1.6]	
Necrosis	1 [2.0]	[]	4 [2.3]	. []	
Vacuolization Cytoplasmic	25 [1.4]	22 [1.3]	21 [1.2]	19 [1.3]	
Adrenal Medulla	(50)	(50)	(50)	(50)	
Angiectasis	2 [3.5]	()	(/	()	
Hyperplasia	10 [2.3]	12 [1.9]	11 [1.4]	8 [1.5]	
Infiltration Cellular, Lymphoid	- 1	1 [3.0]		- [-]	
Necrosis	1 [4.0]				
Islets, Pancreatic	(49)	(50)	(50)	(49)	
Hyperplasia	2 [1.5]	2 [1.5]	1 [1.0]	4 [1.5]	
Parathyroid Gland	(46)	(50)	(49)	(46)	
Hyperplasia	(-)	()	(- /	1 [2.0]	
Pituitary Gland	(50)	(50)	(49)	(50)	
Angiectasis	19 [1.9]	9 [2.4]	12 [2.3]	8 [2.3]	
Cyst	5 [1.6]	5 [1.2]	7 [1.3]	6 [1.7]	
Pars Distalis, Hyperplasia	14 [1.6]	13 [2.0]	14 [1.8]	12 [1.4]	
Pars Intermedia, Hyperplasia				1 [1.0]	
Thyroid Gland	(50)	(50)	(50)	(49)	
Cyst	2 [1.0]	2 [1.0]	` ,	, ,	
C-cell, Hyperplasia	25 [1.4]	21 [1.6]	17 [1.6]	6 [1.2]	
Follicular Cell, Cyst			4 [2.0]		
Follicular Cell, Hyperplasia	1 [1.0]	1 [1.0]	1 [1.0]	4 [1.8]	
GENERAL BODY SYSTEM					
Tissue NOS	(0)	(0)	(0)	(1)	
GENITAL SYSTEM					
Epididymis	(50)	(50)	(50)	(50)	
Granuloma Sperm	1 [2.0]	1 [1.0]	1 [2.0]		
Inflammation			2 [1.5]	1 [2.0]	
Preputial Gland	(50)	(50)	(50)	(49)	
Cyst			1 [3.0]		
Hyperplasia		3 [2.3]	4 [1.8]		
Inflammation	47 [1.7]	49 [1.8]	45 [1.7]	44 [1.5]	
Prostate	(50)	(50)	(50)	(50)	
Atrophy			2 [1.5]		

a - Number of animals examined microscopically at site and number of animals with lesion

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Species/Strain: RATS/F 344

Route: DOSED FEED

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

CRESOLS

CAS Number: 1319-77-3

Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Reqsted: 04/10/2006

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Lab: BAT

FISCHER 344 RATS MALE	0 PPM	1500 PPM	5000 PPM	15000 PPM	
Cyst		1 [4.0]			
Hyperplasia	20 [1.6]	20 [1.4]	16 [1.2]	22 [1.3]	
Inflammation	25 [1.6]	19 [1.5]	26 [1.4]	19 [1.5]	
Seminal Vesicle	(50)	(50)	(50)	(50)	
Atrophy		1 [2.0]	1 [3.0]		
Hyperplasia				1 [2.0]	
Inflammation				1 [2.0]	
Testes	(50)	(50)	(50)	(50)	
Arteriole, Inflammation	1 [2.0]	4.54.03			
Germinal Epithelium, Atrophy	1 [4.0]	1 [4.0]		0.10.01	
Interstitial Cell, Hyperplasia				2 [2.0]	
HEMATOPOIETIC SYSTEM					
Bone Marrow	(50)	(50)	(50)	(50)	
Fibrosis	1 [2.0]			1 [3.0]	
Hyperplasia	5 [1.6]	2 [2.0]	6 [2.7]	7 [2.1]	
Necrosis	1 [3.0]				
Lymph Node	(4)	(5)	(5)	(4)	
Mediastinal, Ectasia		4 [0.0]		1 [2.0]	
Mediastinal, Hyperplasia, Lymphoid		1 [2.0]	4.54.03		
Pancreatic, Hyperplasia, Lymphoid			1 [1.0]	4 [0.0]	
Pancreatic, Pigmentation, Hemosiderin	(40)	(50)	(50)	1 [2.0]	
Lymph Node, Mesenteric	(49)	(50)	(50)	(50)	
Hyperplasia, Lymphoid	(40)	(50)	(50)	1 [2.0]	
Spleen	(49)	(50)	(50)	(49)	
Atrophy Fibrosis	1 [1.0]	2 [2.5]	3 [3.0]	2 [2.0]	
Hematopoietic Cell Proliferation	1 [2.0]	46 [4 0]	1 [1.0]	1 [1.0]	
Infiltration Cellular, Histiocyte	17 [1.3]	16 [1.3]	23 [1.5]	18 [1.3] 1 [2.0]	
Artery, Hyperplasia			1 [3.0]	1 [2.0]	
Artery, hyperplasia Artery, Inflammation			1 [3.0] 1 [4.0]		
Thymus	(47)	(43)	(47)	(48)	
Atrophy	44 [3.8]	39 [3.8]	43 [3.8]	47 [3.7]	
Cyst	11 [0.0]	00 [0.0]	1 [1.0]	1 [1.0]	
Ectopic Parathyroid Gland			ر [۱۰۰۰]	1 [1.0]	
				. []	

INTEGUMENTARY SYSTEM

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: RATS/F 344

Route: DOSED FEED

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

CRESOLS

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Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

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FISCHER 344 RATS MALE	0 PPM	1500 PPM	5000 PPM	15000 PPM	
Mammary Gland	(49)	(50)	(50)	(49)	
Hyperplasia	6 [1.7]	10 [1.6]	6 [1.2]	8 [1.4]	
Skin Cyst Epithelial Inclusion	(50) 1	(50)	(50) 1 [4.0]	(50)	
Hyperkeratosis	1 [2.0]	1 [1.0]			
Inflammation Epidermis, Hyperplasia			2 [2.0] 1 [3.0]		
Hair Follicle, Atrophy		1 [3.0]	1 [5.0]		
Subcutaneous Tissue, Metaplasia,			1 [2.0]		
Osseous Subcutaneous Tissue, Necrosis		1 [2.0]			
		. []			
MUSCULOSKELETAL SYSTEM					
Bone	(50)	(50)	(50)	(50)	
Hyperostosis Joint, Inflammation	1 [1.0]			1 [2.0] 3 [1.7]	
John, illiamination	1 [1.0]			5[1.7]	
NERVOUS SYSTEM					
Brain	(50)	(50)	(50)	(50)	
Hydrocephalus	7 [2.3]	4 [2.5]	4 [3.3]	4 [2.8]	
Hypothalamus, Compression	6 [2.8]	4 [3.0]	4 [3.0]	4 [3.0]	
RESPIRATORY SYSTEM					
Lung	(50)	(50)	(50)	(50)	
Congestion		4 [0 0]	1 [3.0]	1 [2.0]	
Fibrosis Inflammation	26 [1.2]	1 [2.0] 25 [1.0]	23 [1.0]	24 [1.3]	
Metaplasia, Osseous	20 [1.2]	2 [1.0]	1 [1.0]	1 [1.0]	
Metaplasia, Squamous	7 [4 7]		1 [2.0]	4 [4 5]	
Alveolar Epithelium, Hyperplasia Nose	7 [1.7] (50)	5 [1.2] (50)	8 [1.6] (50)	4 [1.5] (50)	
Hyperplasia	(50)	(50)	(30)	1 [2.0]	
Inflammation	17 [1.5]	19 [1.6]	19 [1.3]	28 [1.4]	
Goblet Cell, Hyperplasia Respiratory Epithelium, Hyperplasia	23 [1.1]	40 [1.1] 17 [1.0]	42 [1.2] 31 [1.0]	47 [1.6]	
Respiratory Epithelium, Hyperplasia	3 [1.0]	17 [1.0]	31 [1.0]	47 [1.2]	

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: RATS/F 344

Route: DOSED FEED

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

CRESOLS

CAS Number: 1319-77-3

Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Reqsted: 04/10/2006

Time Report Reqsted: 08:44:01 First Dose M/F: 08/05/02 / NA

FISCHER 344 RATS MALE	0 PPM	1500 PPM	5000 PPM	15000 PPM	
Respiratory Epithelium, Metaplasia,		1 [1.0]	8 [1.0]	40 [1.5]	
Squamous			0.00	2 [2 0]	
Vein, Thrombosis Trachea	(50)	(50)	2 [3.0] (50)	2 [2.0] (49)	
Inflammation	(00)	(50)	1 [1.0]	(40)	
SPECIAL SENSES SYSTEM					
Eye	(49)	(50)	(50)	(50)	
Cataract	1 [3.0]	3 [3.0]	()	1 [3.0]	
Inflammation	1 [3.0]				
Choroid, Inflammation		1 [3.0]			
Optic Nerve, Atrophy Retina, Atrophy	1 [4.0]	2 [3.0] 4 [2.5]		1 [3.0]	
Sclera, Metaplasia, Osseous	16 [1.4]	29 [1.4]	28 [1.4]	15 [1.5]	
Harderian Gland	(49)	(50)	(50)	(50)	
Atrophy			2 [1.0]	2 [1.5]	
Cyst	4 [4 0]	1 [2.0]			
Hyperplasia Inflammation	1 [1.0] 1 [1.0]	6 [1.0]	5 [1.0]	3 [1.0]	
Zymbal's Gland	(1)	(2)	(0)	(2)	
URINARY SYSTEM					
Kidney	(50)	(50)	(50)	(50)	
Accumulation, Hyaline Droplet	1 [1.0]	,		,	
Hydronephrosis			1 [4.0]		
Infarct Necrosis	1 [1.0]	4 [2 0]	1 [3.0]	4 [2 2]	
Necrosis Nephropathy	2 [2.5] 47 [1.4]	1 [3.0] 48 [1.4]	1 [3.0] 46 [1.7]	4 [2.3] 49 [2.1]	
Capsule, Lymphangiectasis	[דיון זד	1 [4.0]	1 0 [1.7]	40 [2.1]	
Renal Tubule, Cyst		2 [2.5]			
Renal Tubule, Hyperplasia	2 [1.0]			1 [2.0]	
Renal Tubule, Inflammation			1 [1.0]	3 [1.0]	
Renal Tubule, Mineralization Transitional Epithelium, Hyperplasia			2 [2.0]	1 [2.0] 8 [1.9]	
Ureter	(1)	(0)	2 [2.0] (1)	(0)	
Cyst	(')	(0)	1 [4.0]	(♥)	
Inflammation	1 [2.0]				

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

TDMS No. 05174 - 05

Test Type: CHRONIC

Species/Strain: RATS/F 344

Route: DOSED FEED

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

CRESOLS

CAS Number: 1319-77-3

Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Date Report Reqsted: 04/10/2006

Time Report Reqsted: 08:44:01 First Dose M/F: 08/05/02 / NA

Lab: BAT

FISCHER 344 RATS MALE	0 PPM	1500 PPM	5000 PPM	15000 PPM	
Urinary Bladder Inflammation	(49) 1 [2.0]	(50)	(50) 1 [2.0]	(50)	

*** END OF MALE ***

*** END OF REPORT ***

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)